

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/DE 03/00543

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01S17/58 G01S17/93

INV.: Michael BEUSCHEL et al.

Filed: 09/23/04

Pocket #4717/PCT

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G01S

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
------------	--	-----------------------

✓ A	✓ US 5 471 215 A (FUKUHARA HIROSHIGE ET AL) 28 November 1995 (1995-11-28) abstract column 5, line 47 -column 24, line 22; figures 1-32	1-3,11
-----	--	--------

✓ A	✓ US 5 621 514 A (PARANTO JOSEPH N ET AL) 15 April 1997 (1997-04-15) abstract column 2, line 35 -column 4, line 16; figure	1,11
-----	--	------

A	✓ DE 41 15 747 A (HIPP JOHANN F) 19 November 1992 (1992-11-19) cited in the application	
---	---	--

USPS EXPRESS MAIL

EV 511 024 085 US

SEPTEMBER 23 2004

siehe DE-Ratverdichter.

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *Z* document member of the same patent family

Date of the actual completion of the international search

10 June 2003

Date of mailing of the international search report

26/06/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Blondel, F

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/DE 03/00543

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5471215	A	28-11-1995	DE 4422633 A1	16-02-1995
			JP 2853578 B2	03-02-1999
			JP 7072237 A	17-03-1995
			US 5565870 A	15-10-1996
US 5621514	A	15-04-1997	NONE	
DE 4115747	A	19-11-1992	DE 4115747 A1	19-11-1992

USPS EXPRESS MAIL
EV 511 024 085 US
SEPTEMBER 23 2004